

Limit Problems:

3 Strategies:

1)

Sample Problem

2)

Sample Problem

3)

Sample Problem

Limit rules:

1)

Example:

2)

Example:

Limit Laws continued:

3)

Example:

4)

Example:

5)

Example:

6)

Example:

7)

Example:

8)

Example:

Limit Laws continued:

9)

Example:

10)

Example:

11)

Example:

What does it mean for a function to be continuous?

Example of a continuous function

Example of a discontinuous function

Write out the intermediate value theorem:

Example:

Definitions of the Derivative:

1)

2)

3)

4)

What are the steps for finding the equation of a tangent line?

1)

2)

3)

4)

5)

Example:

Derivative Rules: (see page 144)

1.

Example:

2.

Example:

3.

Example:

4.

Example:

5.

Example:

6.

Example:

7.

Example: